



MOTOR DATA SHEET

Motor type: **(E)cSg200L8-EP**

Series: **FLAMEPROOF IE1**

28-05-2023

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|----|----|------|------|-----|-----|------|------|------|------------------------|------|------|--------------------------|------|------|
| | | | kW | HP | | | | | | | | - | - | - | 2/4 | 3/4 | 4/4 |
| 400 | Y | 50 | 15 | 20 | S1 | 29.1 | 733 | 195 | 2.2 | 2.1 | 5.5 | 88.8 | 90.0 | 89.5 | 0.73 | 0.81 | 0.83 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 60 |
| Frame size | 200 | Sound power level [dB] | 70 |
| Number of poles | 8 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | NU312 |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 6312C3 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [kg] | 290 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.45 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | Painting | RAL5010 |
| Degree of protection | IP55 | Climatic execution | N |

ENVIRONMENTAL CONDITIONS

| | | | |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%] | up to 100 | | |

ACCESSORY

| | | | |
|--------------------------------|-----------|---------------------------------|-----------|
| Number of terminals or cables | 3 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 1 | Winding heaters | on demand |
| Temperature sensors in winding | on demand | Optional accessories | on demand |

STANDARDS

IEC 60034-1, IEC 60079-0, IEC 60079-1, IEC 60079-7

CERTIFICATES

ATEX, EAC, BiH

ADDITIONAL INFO

| | | |
|------------|--|--|
| Ex marking | II 2G Ex db eb IIC T5 Gb / II 2G Ex db IIB T5 Gb | |
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